

ridgewoodenvironmental

April 27, 2017

Via Priority Mail



Illinois EPA
Division of Air Pollution Control
Air Quality Planning Section (#39)
P.O. Box 19276
Springfield, IL 62794-9276

Re: I.D. No.: 031600BTB
General Iron Industries, Inc.
1909 N. Clifton Avenue
Chicago, IL 60614

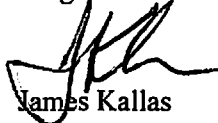
Dear Sir or Madam:

On behalf of General Iron Industries, Inc. and in accordance with the 1990 Clean Air Act Amendments (CAA) Section 182 (a)(3)(B) Annual Emission Reporting Requirements 35 Ill. Adm. Code Part 254, enclosed please find the 2016 report for the referenced facility.

If you have any questions or if you require any additional information please call me at (847) 508-9170.

Sincerely,

Ridgewood Environmental



James Kallas

Enclosure

cc: General Iron Industries, Inc.

031600BTB - General Iron Industries Inc

- SOURCE DATA -

SOURCE
IDS AND
LOCATION

AIRS: 17-031-0142	IEPA USE ONLY	SIC 1: 5093	NAICS 1: 423930
FINDS: ILD025136094	IEPA USE ONLY	SIC 2:	NAICS 2:
FEIN: 362278214		SIC 3:	NAICS 3:
D&B:		SIC 4:	NAICS 4:
LATITUDE: 41:54:57.4344		SIC 5:	NAICS 5:
LONGITUDE: 87:39:32.4324		SIC 6:	NAICS 6:

SOURCE
ADDRESS

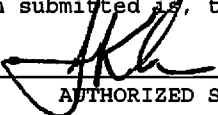
General Iron Industries Inc	CONTACT: James Kallas	EXT:
	PHONE: 847-508-9170	
	FAX: 773-327-8732	
1909 N Clifton Ave	ALT PHONE:	
Chicago, IL 60614-4893	E-Mail:	

ANNUAL
EMISSION
REPORT
MAILING
ADDRESS

General Iron Industries Inc	CONTACT: James Kallas	EXT:
	PHONE: 847-508-9170	
	FAX: 773-327-8732	
1909 N Clifton Ave	ALT PHONE:	
Chicago, IL 60614-4893	E-MAIL:	

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete.

 _____ AUTHORIZED SIGNATURE	<u>4/25/17</u> _____ DATE
<u>Jim Kallas - Environmental Manager</u> _____ TYPED OR PRINTED NAME AND TITLE	<u>847-508-9170</u> _____ TELEPHONE NUMBER

The Illinois EPA is authorized to require, and you must disclose, the information on this form pursuant to 35 Ill. Adm. Code 201.302(a, b) and 254. It is not necessary to use this form in providing the information. Failure to disclose the information may result in penalties as provided for in the Environmental Protection Act, 415 ILCS 5/24-45.

031600BTB - General Iron Industries Inc

- ANNUAL SOURCE EMISSIONS -

POLLUTANT CODE	SOURCES REPORTED EMISSIONS FOR 2016 (TONS/YEAR)	EMISSIONS REPORTED FOR 2015 (TONS/YEAR)	IEPA 2016 ESTIMATED EMISSIONS (TONS/YEAR)
PART	<u>13.1124</u>	11.956300	15.687000
PM10	<u>7.7457</u>	7.061300	7.843500
VOM	<u>*****</u>	0.176000	0.195000

031600BTB - General Iron Industries Inc

- PERMIT LISTING -

PERMIT NUMBER	TYPE OF PERMIT	OPERATION NAME	STATUS	STATUS DATE	EXPIRES
-----	-----	-----	-----	-----	-----
05080046	TITLE V	Metal shredding			
14040033	CONSTRUCTION	Material Separation System	REJECTED	04-23-2014	
81050001	LIFETIME	Metal shredders	REJECTED	10-27-2016	

031600BTB - General Iron Industries Inc

- PROCESS DATA -

POINT 0001 - 2 Shredders

PERMIT: 81050001

BEGAN OPERATION: 05 / 1981

SCC: 30301599

CEASED OPERATION: /

MODE 01 -

DESCRIPTION CORRECTION:

PERCENT THROUGHPUTS: DEC - FEB: 25.00 % MAR - MAY: 25.00 %

BEGAN OPERATION: 05 / 1981

JUN - AUG: 25.00 % SEP - NOV: 25.00 %

CEASED OPERATION: /

UNITS: TONS PRODUCED

UNITS: TONS PRODUCED

ANNUAL OPERATION			PEAK OZONE SEASON OPERATION		
HOURS/DAY:	8.5	<u>10.0</u>	HOURS/DAY:	8.0	<u>10.0</u>
DAYS/WEEK:	5.5	<u>5.0</u>	DAYS/WEEK:	5.5	<u>5.0</u>
WEEKS/YEAR:	50	<u>51</u>	WEEKS/SEASON:	13	<u>13</u>
HOURS/YEAR:	2,342	<u>2,572</u>	HOURS/SEASON:	608	<u>650</u>
PWR (LB/HR):	554,545.7000	<u>564,155.52</u>	START TIME:		
RATE/HR:	277.2700	<u>282.08</u>	END TIME:		
			PWR (LB/HR):	554,545.7000	<u>564,155.52</u>
			RATE/HR:	277.2700	<u>282.08</u>

031600BTB - General Iron Industries Inc

- PROCESS DATA -

POINT 0001 - 2 Shredders

PERMIT: 81050001

BEGAN OPERATION: 05 / 1981

SCC: 30301599

CEASED OPERATION: /

MODE 01 -

POLLUTANT CODE	METHOD		EMISSION FACTOR		EMISSION RATE (LB/HR)	
	IEPA	REP	IEPA	REPORTED	IEPA	REPORTED
PART	2	2			1.32	9.99
PM10	2	2			.66	5.92
VOM	4	4			.2	.2

POLLUTANT CODE	METHOD		EMISSION FACTOR		OZONE SEASON EMISSION RATE (LB/HR)	
	IEPA	REP	IEPA	REPORTED	IEPA	REPORTED
VOM	4	4			.2	.2

CAPTURING CONTROLS:

CONTROL 0001 CAPTURE EFFICIENCY: 100.00 %

CAPTURING STACKS:

031600BTB - General Iron Industries Inc

- PROCESS DATA -

POINT 0004 - 2 Metal separator systems

PERMIT: 81050001

BEGAN OPERATION: 07 / 2000 _____

SCC: 30301599

CEASED OPERATION: / _____

MODE 01 -

DESCRIPTION CORRECTION:

PERCENT THROUGHPUTS: DEC - FEB: 25.00 % _____ MAR - MAY: 25.00 % _____

BEGAN OPERATION: 07 / 2000 _____

JUN - AUG: 25.00 % _____ SEP - NOV: 25.00 % _____

CEASED OPERATION: / _____

UNITS: TONS PRODUCED

UNITS: TONS PRODUCED

ANNUAL OPERATION			PEAK OZONE SEASON OPERATION	
HOURS/DAY:	13.0	<u>14.0</u>	HOURS/DAY:	<u>14.0</u>
DAYS/WEEK:	6.0	<u>6.0</u>	DAYS/WEEK:	<u>6.0</u>
WEEKS/YEAR:	50	<u>50</u>	WEEKS/SEASON:	<u>13</u>
HOURS/YEAR:	4,096	<u>4,211</u>	HOURS/SEASON:	<u>1,092</u>
PWR (LB/HR):	445,136.6000	<u>452,824.42</u>	START TIME:	_____
RATE/HR:	222.5700	<u>226.41</u>	END TIME:	_____
			PWR (LB/HR):	<u>452,824.42</u>
			RATE/HR:	<u>226.41</u>

031600BTB - General Iron Industries Inc

- PROCESS DATA -

POINT 0004 - 2 Metal separator systems

PERMIT: 81050001

BEGAN OPERATION: 07 / 2000

SCC: 30301599

CEASED OPERATION: /

MODE 01 -

POLLUTANT CODE	METHOD		EMISSION FACTOR		EMISSION RATE (LB/HR)	
	IEPA	REP	IEPA	REPORTED	IEPA	REPORTED
PART	3	3			6.4	.126
PM10	3	3			3.2	.063

POLLUTANT CODE	METHOD		EMISSION FACTOR		OZONE SEASON EMISSION RATE (LB/HR)	
	IEPA	REP	IEPA	REPORTED	IEPA	REPORTED

CAPTURING CONTROLS:

CONTROL 0003 CAPTURE EFFICIENCY: 100.00 %

CAPTURING STACKS:

031600BTB - General Iron Industries Inc

- CONTROL DEVICE DATA -

CONTROL 0001 - Water suppression

PERMIT: 81050001

BEGAN OPERATION: 05 / 1981

CONTROL CODE: 217

CEASED OPERATION: /

DESCRIPTION CORRECTION:

REMOVAL EFFICIENCY

POLLUTANT	ANNUAL OPERATION				PEAK OZONE SEASON OPERATION			
	EFFICIENCY		METHOD		EFFICIENCY		METHOD	
	IEPA	REPORTED	IEPA	REPORTED	IEPA	REPORTED	IEPA	REPORTED
PART	90.000							
PM10	90.000							

CAPTURING CONTROLS:

CAPTURING STACKS:

STACK 0001 CAPTURE EFFICIENCY: 100.00 %

031600BTB - General Iron Industries Inc

- CONTROL DEVICE DATA -

CONTROL 0003 - Multicyclone

PERMIT: 81050001

BEGAN OPERATION: 07 / 2000 _____
CEASED OPERATION: / _____

CONTROL CODE: 121 _____

DESCRIPTION CORRECTION:

REMOVAL EFFICIENCY

POLLUTANT	ANNUAL OPERATION				PEAK OZONE SEASON OPERATION			
	EFFICIENCY		METHOD		EFFICIENCY		METHOD	
	IEPA	REPORTED	IEPA	REPORTED	IEPA	REPORTED	IEPA	REPORTED
PART	98.000	_____	_____	_____	_____	_____	_____	_____
PM10	95.000	_____	_____	_____	_____	_____	_____	_____

CAPTURING CONTROLS:

CAPTURING STACKS:

STACK 0003 CAPTURE EFFICIENCY: 100.00 % _____

- STACK DATA -

STACK	DIAMETER (FT)	HEIGHT (FT)	FLOW RATE (ACFM)	TEMPERATURE (F)
0001 - Shredder #2 (100 tons/hr)	2.50 _____	40 _____	20000 _____	70 _____
0003 - Metal shredder with water suppression system and c	6.60 _____	96 _____	74271 _____	314 _____

Report: APCA0531

Illinois Environmental Protection Agency
Division of Air Pollution Control
DAPC - ANNUAL EMISSIONS REPORT - 2016

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Date: 04-24-2017

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